

Title (en)

Process for the preparation of polyalk-1-enes in the presence of a supported metallocene catalyst system and an antistaticum

Title (de)

Verfahren zur Herstellung von Polyalk-1-enen in Gegenwart eines geträgerten Metallocenkatalysatorsystems und eines Antistatikums

Title (fr)

Procédé de préparation de polymères alc-1-ènes en présence d'un système catalytique à base de métallocène supporté et d'un agent antistatique

Publication

EP 0803514 B1 19991201 (DE)

Application

EP 97106319 A 19970417

Priority

DE 19615953 A 19960422

Abstract (en)

[origin: EP0803514A1] A method for the preparation of 2-12C alpha-olefin polymers at -50 to +300 degrees C and 0.5-3000 bar in the presence of a catalyst system - uses a catalyst that contains the following components : (A) an (in)organic carrier ; (B) a metallocene complex ; (C) a metallocenium ion-forming compound ; and (D) optionally a metal compound of formula (I). $M<1>-R<1>-r(R<2>)s(R<3>)t$ (I) $M<1>$ = alkali(ne earth) or Group III metal ; $R<1>$ = H, 1-10C alkyl, 6-15C aryl, 1-10C alkyl-(6-20C)-aryl or 6-20C aryl-(1-10C)-alkyl ; $R<2>$, $R<3>$ = H, halogen, 1-10C alkyl, 6-15C aryl, 1-10C alkyl-(6-20C)-aryl, 6-20C aryl-(1-10C)-alkyl or 1-10C alkoxy ; $r = 1-3$; and $s, t = 0-2$, with the provision that the sum of $r-t$ is equal to the valency of $M<1>$. An anti-static agent is also used with the catalyst.

IPC 1-7

C08F 2/44; **C08F 10/00**; **C08F 4/602**; **C08F 2/34**

IPC 8 full level

C08F 4/64 (2006.01); **C08F 2/34** (2006.01); **C08F 2/44** (2006.01); **C08F 4/602** (2006.01); **C08F 4/642** (2006.01); **C08F 4/646** (2006.01); **C08F 4/6592** (2006.01); **C08F 4/68** (2006.01); **C08F 10/00** (2006.01); **C08F 10/06** (2006.01); **C08J 5/18** (2006.01); **D01F 6/04** (2006.01); **D01F 6/06** (2006.01); **D01F 6/30** (2006.01); **C08F 4/639** (2006.01); **C08F 4/6392** (2006.01); **C08F 110/06** (2006.01); **C08F 210/16** (2006.01)

CPC (source: EP KR US)

C08F 4/63908 (2013.01 - KR); **C08F 4/63912** (2013.01 - KR); **C08F 4/63916** (2013.01 - KR); **C08F 4/63927** (2013.01 - KR); **C08F 10/00** (2013.01 - EP US); **C08F 10/06** (2013.01 - EP US); **C08F 110/06** (2013.01 - KR); **C08F 210/06** (2013.01 - KR); **C08F 210/16** (2013.01 - KR); **C08J 5/18** (2013.01 - EP US); **C08K 5/0075** (2013.01 - KR); **D01F 6/04** (2013.01 - EP US); **D01F 6/06** (2013.01 - EP US); **D01F 6/30** (2013.01 - EP US); **C08F 4/63908** (2013.01 - EP US); **C08F 4/63912** (2013.01 - EP US); **C08F 4/63916** (2013.01 - EP US); **C08F 4/63927** (2013.01 - EP US); **C08F 110/06** (2013.01 - EP US); **C08F 210/06** (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US); **C08F 2410/02** (2013.01 - KR); **C08J 2323/04** (2013.01 - EP US); **C08J 2323/10** (2013.01 - EP US); **Y10S 526/901** (2013.01 - EP KR US); **Y10S 526/902** (2013.01 - EP KR US)

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Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

DE 19615953 A1 19971023; DE 59700778 D1 20000105; EP 0803514 A1 19971029; EP 0803514 B1 19991201; ES 2140931 T3 20000301; JP H1060032 A 19980303; KR 100470842 B1 20050712; KR 970070023 A 19971107; US 6022935 A 20000208

DOCDB simple family (application)

DE 19615953 A 19960422; DE 59700778 T 19970417; EP 97106319 A 19970417; ES 97106319 T 19970417; JP 10415397 A 19970422; KR 19970014795 A 19970421; US 83981197 A 19970418